



## Science Policy

### Intent:

- To ensure pupils have the opportunity to explore: Physics, Chemistry and Biology, offering a breadth of knowledge that can be applied across the wider curriculum.
- To develop children's ability to improve their scientific enquiry and working scientifically
- To provide practical experiences for the pupils that fascinate and engage them.
- To create and nurture the curiosity and passion of our students through science and promote a lifelong love for scientific exploration and the world.

### Implementation:

In line with the National Curriculum, learners are entitled to 2 hours of Science each week. Within their lessons they will receive:

- A rich and varied science curriculum that enhances scientific knowledge and sparks curiosity, which will inspire our children to seek out scientific explanations.
- Lessons that promote curiosity by engaging in practical activities, demonstrations, examples of real-life application and learning about pioneers of science that pupils can aspire to become.
- Develop a confident understanding of the nature, processes and methods of science through different types of science enquiries that will give them the courage to ask and answer scientific questions about the world around them.
- Provide opportunities to develop confidence when 'working scientifically', by enabling students to: make mindful predictions, plan and conduct their own experiments, make careful observations, persevere when things do not go as planned and to reflect to draw upon a conclusion.
- Have the courage to discuss and make links with previous learning and across the wider curriculum.
- Staff will plan well-structured and engaging lessons that reflect on previous areas of the curriculum, as well as promoting curiosity and confidence in new subject areas.
- Staff development and training through the year so staff have the skills to deliver strong lessons.

### Impact:

- To create **curious** learners, who are intrigued by the scientific world.
- To have consistently high attainment, where progress and **confidence** is made by all children.
- To inspire children to have the **courage** to continue their love of science.
- To have children who can confidently articulate their learning and passion for science and make links across the wider curriculum.
- **Confident** and skilled staff that deliver effective lessons.

